

# Converting Colors

CIELCh(49, 55.053, 119.814)

Have a look what the booklet for  
CIELCh(49, 55.053, 119.814)  
contains.

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**Color**

**CIELCh(49, 55.058, 119.803)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5D7F18
RGB	93, 127, 24
RGB Percent	36%, 50%, 9%
CMY	0.6350, 0.5017, 0.9055
CMYK	0.27, 0.00, 0.81, 0.50
HSL	80°, 68%, 30%
HSV	80°, 81%, 50%
XYZ	12.2857, 17.5941, 3.6171
YIQ	105.0920, 12.7990, -39.2410

# Conversions

## Conversions Part 2

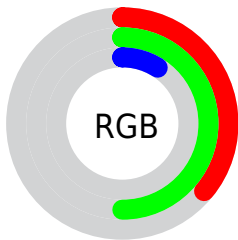
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	24, 127, 58
Decimal	6127384
CIE Lab	49.00, -27.36, 47.78
CIE LCh	49, 55.058, 119.803
Yxy	17.5941, 0.3668, 0.5252
Android (android.graphics.Color)	4284317464 (0xFF5D7F18)
YUV	105.0920, -39.9784, -10.6047
Hunter-Lab	41.9453, -21.1221, 24.2489

# Details


The CIELCh color **49, 55.058, 119.803** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **20, 66.046, 308.567**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 55.273, 119.981**, and **29, 45.056, 125.183** is the 20% darker color. If you saturate the color by 10%, you get **49, 58.757, 120.254**, and if you desaturate by 10%, it is **49, 50.097, 119.727**.

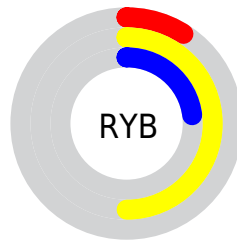
# Distribution



 Red (36%)

 Green (50%)

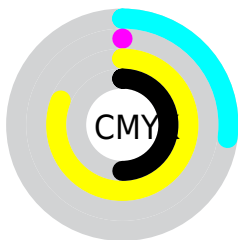
 Blue (9%)




 Red (9%)

 Yellow (50%)

 Blue (23%)

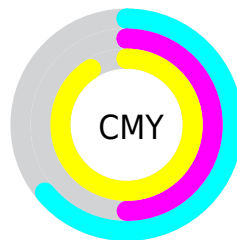



 Cyan (27%)

 Magenta (0%)

 Yellow (81%)

 Black (50%)



 Cyan (64%)

 Magenta (50%)


 Yellow (91%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 55.058, 119.803 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 49, 55.058, 119.803 by changing the saturation by 10% instead.





 49, 55.058,  
119.803


 49, 55.058,  
119.803


 100, 55.058,  
119.803


 39, 55.058,  
119.803

 69, 55.058,  
119.803


 29, 55.058,  
119.803

 79, 55.058,  
119.803

 19, 55.058,  
119.803

 89, 55.058,  
119.803

 9, 55.058, 119.803

 99, 55.058,  
119.803

 0, 55.058, 119.803

 49, 55.058,

 49, 55.058,

119.803

■ 49, 58.757,  
120.254

■ 48, 61.370,  
120.827

119.803

■ 49, 50.097,  
119.727

■ 50, 44.177,  
119.918

■ 50, 37.592,  
120.285

■ 51, 30.575,  
120.754

■ 51, 23.289,  
121.276

■ 52, 15.848,  
121.818

■ 52, 8.327, 122.359

■ 53, 0.782, 122.931



# Harmonies

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



49, 55.058, 119.803



20, 66.046, 308.567

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49, 55.058, 119.803



49, 55.058, 169.803



49, 55.058, 299.803



49, 55.058, 349.803

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



49, 55.058, 119.805



66, 22.436, 121.626



33, 43.965, 49.933



34, 15.516, 121.462



85, 0.010, 296.813



36, 0.005, 296.813





# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49, 55.058, 119.805



62, 73.814, 120.928



47, 62.999, 134.716



27, 4.261, 122.463



49, 61.521, 120.832



0, 0.000, 0.000



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



20, 66.046, 308.567



23, 91.911, 308.809



28, 63.605, 321.889



25, 4.333, 303.414



16, 76.971, 309.047



0, 0.000, 0.000



# Previews

## White Background



This preview shows how the CIE LCh color 49, 55.058, 119.803 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 49, 55.058, 119.803 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 49, 55.058, 119.803**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 49, 55.058, 119.803.



This preview shows how white text looks on a background with the CIELCh color 49, 55.058, 119.803.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

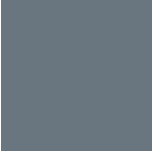


**Original Color**  
49, 55.058, 119.803

**Protanopia**  
49, 49.857, 95.064

**Deuteranopia**  
49, 46.368, 81.867





**Tritanopia**  
49, 7.558, 250.310

# Trichromacy



**Original Color**  
49, 55.058, 119.803

**Protanomaly**  
49, 50.491, 105.111

**Deuteranomaly**  
48, 46.452, 97.320

**Tritanomaly**  
48, 19.969, 132.868

# Monochromacy



**Original Color**  
49, 55.058, 119.803

**Achromatopsia**  
44, 0.006, 296.813

**Achromatomaly**  
46, 22.267, 120.975

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 49, 55.058, 119.803 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(93, 127, 24)` looks like.

```
.text, #text, p{  
    color:rgb(93, 127, 24)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(93, 127, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 127, 24) }
```

## Border

The CSS property to change the border of an element to CIELCh 49, 55.058, 119.803 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(93, 127, 24) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(93, 127, 24) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(93, 127, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 127, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 127, 24);  
box-shadow:4px 4px 4px 4px rgb(93, 127,  
24) }
```

# Background

The CSS property to change the background color of an element to CIELCh 49, 55.058, 119.803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 127, 24) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(93, 127,  
24) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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